04-06-07

PTO/SB/30 (09-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Request
For
Continued Examination (RCE)

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



a collection of information unless it displays a valid OMB control number.				
Application Number	10/809,205	?		
Filing Date	March 25, 2004			
First Named Inventor	Toshimitsu HIRAI			
Art Unit	1762			
Examiner Name	Brian K. Talbot			
Attorney Docket Number	9319S-000717			

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.  i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on	amendments and instructs otherwise	on required under 37 C.F.R. 1.114  amendments enclosed with the RCE will be. If applicant does not wish to have any prof such amendment(s).	e entered in the	s proper, any previously file order in which they were file intered amendment(s) ente	ed unless applicant	
ii. ☐ Other ☐ b. ☑ Enclosed i. ☐ Amendment/Reply iii. ☐ Information Disclosure Statement (IDS) iii. ☐ Affidavit(s)/Declaration(s) iii. ☐ Information Disclosure Statement (IDS) iii. ☐ Affidavit(s)/Declaration(s)  2. Miscellaneous  a. ☐ Suspension of action on the above-identified application is requested under 37 C.F.R. 1.103(c) for a period of ☐ months. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. 1.17(i) required)  b. ☐ Other ☐ 3. Fees The RCE fee under 37 C.F.R. 1.17(e) is required by 37 C.F.R. 1.114 when the RCE is filed.  a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No.50-3213 i. ☒ RCE fee required under 37 C.F.R. 1.17(e) ii. ☒ Extension of time fee (37 C.F.R. 1.136 and 1.17) iii. ☒ Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17 b. ☐ Check in the amount of ⑤ ☐ encoursed c. ☐ Payment by credit card (Form PTO-2038 enclosed)	a. Previously considered	submitted. If a final Office action is outstar as a submission even if this box is not ch	nding, any amend ecked.	lments filed after the final C	Office action may be	
ii. Affidavit(s)/Declaration(s)  iii. Affidavit(s)/Declaration(s)  iii. Other Return Postcard  2. Miscellaneous  a. Suspension of action on the above-identified application is requested under 37 C.F.R. 1.103(c) for a period ofmonths. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. 1.17(i) required)  b. Other  3. Fees The RCE fee under 37 C.F.R. 1.17(e) is required by 37 C.F.R. 1.114 when the RCE is filed.  a. A The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No.50-3213  ii. RCE fee required under 37 C.F.R. 1.17(e)  iii. Extension of time fee (37 C.F.R. 1.136 and 1.17)  iiii. Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17  b. Check in the amount of \$enclosed  c. Payment by credit card (Form PTO-2038 enclosed)  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gyesov Schivley/Bryant E. Wide Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U. S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregoto Schivley/Bryant E. Wade Express Mail Label No. 61 FC:1881 798.88 DA  61 FC:1881 798.88 DA			or Reply Brief pre	viously filed on		
a. Suspension of action on the above-identified application is requested under 37 C.F.R. 1.103(c) for a period ofmonths. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. 1.17(i) required)  b. Other  3. Fees The RCE fee under 37 C.F.R. 1.17(e) is required by 37 C.F.R. 1.114 when the RCE is filed.  a. The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No.50-3213  i. RCE fee required under 37 C.F.R. 1.17(e)  ii. Extension of time fee (37 C.F.R. 1.136 and 1.17)  iii. Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17  b. Check in the amount of \$ enclosed  c. Payment by credit card (Form PTO-2038 enclosed)  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gregory Schivles/Dryant E. Wede Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. 81 FC:1881 798.88 DA  Signature Date April 5, 2007	i. 🛛 Ar	· ·			t (IDS)	
a period ofmonths. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. 1.17(i) required)  b.	2.					
3. Fees The RCE fee under 37 C.F.R. 1.17(e) is required by 37 C.F.R. 1.114 when the RCE is filed.  a. A The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No.50-3213  i. RCE fee required under 37 C.F.R. 1.17(e)  ii. Extension of time fee (37 C.F.R. 1.136 and 1.17)  iii. Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17  b. Check in the amount of \$ enclosed  c. Payment by credit card (Form PTO-2038 enclosed)  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gregory Schivley/Bryant E. Wigde Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. 81 FC:1881 799.88 DA  Signature Date April 5, 2007	a peri	od ofmonths. (Period of suspension s	plication is reque hall not exceed 3 m	sted under 37 C.F.R. 1.103 onths; Fee under 37 C.F.R. 1.1	B(c) for 17(i) required)	
Deposit Account No. 50-3213  i. RCE fee required under 37 C.F.R. 1.17(e)  ii. Extension of time fee (37 C.F.R. 1.136 and 1.17)  iiii. Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17  b. Check in the amount of \$ enclosed  c. Payment by credit card (Form PTO-2038 enclosed)  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gregory Schivley Brant E. Wede Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. 81 FC:1881 798.89 DA  Signature Date April 5, 2007		<del></del>	37 C.F.R. 1.114 w	nen the RCE is filed.		
i. RCE fee required under 37 C.F.R. 1.17(e) ii. Extension of time fee (37 C.F.R. 1.136 and 1.17) iii. Other Any deficiency for a fee required under 37 C.F.R. 1.16 or 1.17 b. Check in the amount of \$ enclosed c. Payment by credit card (Form PTO-2038 enclosed) WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gregory Schivley Bryant E. Wede Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. 91 FC:1891 798.89 Da  Signature Date April 5, 2007			following fees, o	credit any overpayments,	to	
C. Payment by credit card (Form PTO-2038 enclosed)  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED  Name (Print /Type) G. Gregory Schivle Bryant E. Wede Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. BY 15, 2007  Date April 5, 2007	i. 🛭 RO ii. 🖾 Ex iii. 🖾 Ot	CE fee required under 37 C.F.R. 1.17(e) dension of time fee (37 C.F.R. 1.136 and 1.17 ther <u>Any deficiency for a fee required unde</u>		or 1.17		
Name (Print /Type) G. Gregory Schivle Bryant E. Wede Registration No. (Attorney/Agent) 27,382/40,344  Signature Date April 5, 2007  CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type) G. Gregory Schivley/Bryant E. Wade Express Mail Label No. 91 FC:1881 798.88 DA  Signature Date April 5, 2007	c. Paym	ent by credit card (Form PTO-2038 enclosed) RNING: Information on this form may be	ecome public. C	redit card information sho and authorization on PTC	ould not 0-2038.	
CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type)  G. Gragor Schivley/Bryant E. Wade Express Mail Label No.  Date April 5, 2007					T	_
CERTIFICATE OF MAILING OR TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type)  G. Gragoro Schivley/Bryant E. Wade  Express Mail Label No.  Date  April 5, 2007	<del></del>	G. Gregory Schivley/Bryant E. Wede	7		27,382/40,344	_
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:  Name (Print /Type)  G. Gragoro Schivley/Bryant E. Wade  Express Mail Label No.  Ev 522 877 629 10 10 10 10 10 10 10 10 10 10 10 10 10	Signature	CERTIFICATE OF MA				゙
Label No.   61 FC:1891   799.89 DA	envelope addressed to:	correspondence is being deposited with the Unit Mail Stop RCE, Commissioner for Patents, P. O	ed States Postal So	ervice with sufficient postage as	s first class mail in an ile transmitted to the U.S.	-
	Name (Print /Type)	G. Gregory Schivley/Bryant E. Wade	1 '			16869265
	•	John Make				

This collection of information's required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

HDP/SB/17 (03-07)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

THE TRANSPORTER	Complete if Known				
FEE TRANSMITTALE 4	Application Number	10/809,205			
for FY 2007	Filing Date	March 25, 2004			
VBB 0 2 ran	First Named Inventor	Toshimitsu HIRAI			
Effective 2/8/2006. Patent fees are subject to agricult revision.	Examiner Name	Brian K. Talbot	_		
Applicant claims small entity status. See ST CFR 1	Art Unit	1762			
TOTAL AMOUNT OF PAYMENT (\$) 1810	Attorney Docket No.	9319S-000717			

TOTAL AMOU	NOT PATIBLE (4)			cy Dock					
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)							
☐ Check ☐ Cr				IONAL FEES ntity Small Entity					
Order ☑ Deposit Account:		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee De	scription	Fee Paid	
Deposit			1051	130	2051	65	Surcharge - late	filing fee or oath	
Account Number	50-3213		1052	50	2052	25	Surcharge - late or cover sheet.	provisional filing fee	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			1053	130	1053	130	Non-English spe	ecification	
Deposit		-	1812	2,520	1812	2,520	For filing a requi	est for reexamination	
Account Name	Epson R & D	1.00	1804	920*	1804	920*	Requesting publication	lication of SIR prior to	
The Director is authorized to: (check all that apply)  ☑ Charge fee(s) indicated below ☐ Credit any overpayments		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
	litional fee(s) during the pendency	of this application	1251	120	2251	60	Extension for re	ply within first month	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1252	450	2252	225	Extension for remonth	ply within second		
	FEE CALCULATION		1253	1020	2253	510	Extension for re	ply within third month	1020
	LING FEE		1254	1,590	2254	795	Extension for re	ply within fourth	
	Small Entity		1255	2,160	2255	1080	Extension for re	ply within fifth month	
	ee Fee <u>Fee Description</u> ode (\$)	Fee Paid	1401	500	2401	250	Notice of Appea	Ī	
	011 150 Utility filing fee		1402	500	2402	250	Filing a brief in s	support of an appeal	
	012 100 Design filing fee		1403	1000	2403	500	Request for oral	hearing	
	013 100 Plant filing fee		1452	500	2452	250	Petition to revive	e – unavoidable	
	014 150 Reissue filing fee		1453	1500	2453	750	Petition to revive	e – unintentional	
	005 100 Provisional filling fee	,	1462	400	1462	400	Petition fee und	er 37 CFR 1.17(f)	
1	•		1463	200	1463	200	Petition fee und	er 37 CFR 1.17(g)	
	SUBTOTAL (1)	(\$) 0	1464	130	1464	130	Petition fee und	er 37 CFR 1.17(h)	
2 EVEDA CLAI	M FEES FOR UTILITY AND	DEISSIE	1807	50	1807	50	Processing fee	under 37 CFR 1.17 (q)	
Z. EXTRA CLAI	Extra Fee		1806	180	1806	180	Submission of Ir	nformation Disclosure	
Total Claims	- ** = Claims belo	w Paid 0	8021	40	8021	40	Stmt Recording each per property (tim	patent assignment nes number of	
Independent Claims	** = 0 X	= 0	1809	790	2809	395	properties)		
Multiple Dependent		= 0	1810	790	2810	395	(37 ČFR § 1.129		
Large Entity Fee Fee	Small Entity Fee Fee For Provider		1801	790	2801	395	examined (37 C	FR § 1.129(b))	
Code (\$)	Code (\$) Fee Description	<u>on</u>	1801 790 2801 395 Request for Continued Examination (RCE)					790	
1202 50	2202 25 Claims in exces	ss of 20	Other fe	e (specit	fy)				
1201 200	•	aims in excess of 3	*Redu	ced by B	asic Fili	ng Fee	Paid SUBT	OTAL (3) (\$)181	0
1203 360		dent claim, if not paid		-		-	N FEES		<del></del> .
1204 200	2204 ` 100 ** Reissue inde original patent	pendent claims over	1111	500 I	2111	250	Utility Search Fe	ee	
	** Paissue clair	ns in excess of 20 and	1112	100	2112	50	Design Search F		
1205 50	2205 25 over original pa		1113	300	2113		Plant Search Fe		
			1114	500	2114	250	Reissue Search		
-	SUBTOTAL (2)	\$) O	1311	200	2311	100	Utility Examinati		
	L		1312	130	2312	65	Design Examina		
			1313	160	2313	80	Plant Examination		
			1314	600	2314	300	Reissue Examin		
**or number previously paid, if greater; For Reissues, see above				I				BTOTAL (4) (\$)0	
					-		Com	plete (if applicable)	
SUBMITTED BY	C. Crogory Schiplan			27	382	Т	Com	proto (ii applicable)	
Name (Print/Type)	Registration No.				344		Telephone 248-641-1600		
Signature	The state of	. held	De				Date	April 5, 2007	